

FINAL MINUTES

Governors' Liaison Committee Meeting (GLC)

November 19, 2002

Holiday Inn Select, Bloomington, MN

by

Scott D. Whitney
(CEMVR-PM-M)

1. WELCOME AND APPROVAL OF MINUTES OF LAST MEETING

The Upper Mississippi River-Illinois Waterway System Navigation Study Governors' Liaison Committee (GLC) was called to order by Steve Cobb, Chairman. Steve introduced Brigadier General Donald Riley, the new Mississippi Valley Division Commander, who shared some of his thoughts on the UMR-IWW Nav. Study. BG Riley reaffirmed the need to strike a balance between competing interests to ensure a sustainable UMR-IWW System. He expressed his appreciation for the continued support and commitment of the GLC and stakeholders in collaboratively helping the Corps seek solutions to the systems many challenges. BG Riley emphasized the Chief of Engineers recent message identifying the three primary goals that all Corps employees and the entire organization must strive to achieve:

- (1) build a learning organization system of checks and balances
- (2) build effective strategic coalitions to seek solutions
- (3) improve our sustainable watershed planning

BG Riley thanked the participants and members for helping ensure the viability of the UMRS for future generations.

An attendance list is provided as **Attachment 1**. There were no corrections or additions to the 6 August 2002 GLC minutes.

Steve Cobb: Reminded the meeting participants that the continued development of the Navigation Study Feasibility Report will require continued high level of collaboration to complete during the next two years; partners and stakeholders need to remain engaged. Steve urged the GLC representatives to keep their respective state representatives, especially their governors, apprised of the primary issues surrounding this study. The Corps offer for a meeting with the five governors still stands as it may be needed to further discuss and possibly resolve some of the key issues or concerns expressed by the states (i.e. Cost Sharing). Steve inquired as to the possible implications in representation by the states following the recent elections, especially in those three states electing new governors with different party affiliations.

Terry Moe: Wisconsin elected a new Democratic Governor, Hon. James Doyle. Both legislative houses are still predominantly republican. It is likely that the state will select new representatives to serve on the various basin committees. With Terry's upcoming retirement in January 2003, the Corps should ensure the following three individuals remain informed and engaged with the study: Ellen Fischer, Linda Hitchman (Dept. of Ag), and Gretchen Benjamin. **Indicated it would be a good idea for the Corps to send of letter to the Governor's office requesting the state maintains an active role in these forums emphasizing the importance of historical perspective to ensure continuity.** Terry also indicated that state appointed positions, like the secretary for WIDNR, may be changed with the incoming administration.

Dick Lambert: Minnesota elected a new Republican governor, Hon. Tim Pawlenty. Anticipate receiving a list of new appointees in the coming months, but it is still soon to predict the ripple effects. Indicated that he thought a letter to the governor from the Corps would also be a good idea.

Mike Wells: Missouri re-elected their governor but did see a significant change in the constituency of their state legislature, both general assemblies are now Republican.

Gary Clark: Illinois elected a new Democratic Governor, Hon. Rodney Blagojevich. Currently do not anticipate any change in membership with the UMRBA or the GLC. Check back in January.

John Hey: Iowa re-elected their governor and does not foresee any changes in representation.

Terry Moe: Indicated there was some confusion as to what constituted the read ahead materials for this meeting. GLC members had received the monthly status report but some members thought

that additional material would be forthcoming. Also noted the UMRBA was not on the distribution list transmitting this information to the GLC members.

Scott Whitney: Responded that it will be clarified in future e-mails to ensure there is no further confusion on this matter. Also indicated that he was aware of the UMRBA omission and had corrected this oversight in advance of the GLC meeting. **UMRBA will be on the distribution list for any future GLC correspondence.**

2. Study Schedule – Denny Lundberg

Denny provided a brief review of the feasibility study schedule, list of major study milestones, and major issues being analyzed for further consideration and discussion (**Attachment 2 (Slides 1-3)**). Due to the number of key input points arising during the coming year, the GLC may need to have monthly conference calls to further discuss study activities and maintain active communication. Denny highlighted several key milestones that the GLC members should be especially tuned in on (highlighted with arrows on slide 2). Other study committees, such as the NECC and ECC, will also need to increase their level of engagement. **The Corps will propose a tentative involvement plan at the next GLC, to assist these committees in determining the rationale and tentative schedule for increased contact over the next several months.**

Gary Clark: We certainly appreciate additional detail when it becomes available and the Corps continued diligence in ensuring its timely distribution.

Terry Moe: Indicated he had a few items of clarification from the recent monthly status report. The following provides the topic with the clarification provided by Whitney and Lundberg:

Regional Contact Database – Inquires as to the specifics. Response: previous database was specifically geared towards Corps employees, updated version will include a listing of the representatives from the various stakeholder groups.

Dry Run – Inquiry as to the purpose and participants. Response: this was attended by Corps representatives from the various component Teams: Eng., Env, PI, Econ, PM and PF. The intent was to review the content and structure of these meetings.

Expert Panel – Inquiry as to the individuals and schedule. Response: once contractual arrangements are in place (early January) the Corps will share the complete listing of members and schedule of activities.

Adult Fish Entrainment – Inquiry as to current status. Response: deferred until presentation by Whitney later on the agenda.

Both Terry Moe and Gary Clark expressed their appreciation for the information provided in these monthly status reports.

Denny discussed four major issues associated with the completion of the Feasibility Report (slide 3). The scheduled December meetings with the Federal Principles Task Force and the Regional Federal Interagency Team should provide further direction and guidance on these issues. The following provides a brief synopsis of these four major issues:

Economic Modeling: The Corps will explore opportunities and develop strategies to incorporate sensitivity analysis into the economic modeling.

Scenario Probabilities: Some stakeholders desire to see probabilities assigned to the various scenarios. Any attempt to assign probabilities would be speculative at best and would not contribute significantly toward the evaluation and selection of a recommended plan.

Funding and Cost Sharing: Assistant Secretary of the Army is trying to set up a briefing with OMB sometime in December as a first opportunity to initiate cost sharing discussion, they are actively working to set up this meeting. Throughout the Interim report development, the study team has routinely referred to the “three-basket theory”, when describing the possible

funding mechanisms for any future authorized project. Those three baskets were (1) 50/50 cost share with Waterway Trust Fund; (2) 100% Federal; and (3) Cost share with non-federal sponsor. The big question that remains is the proportional mix with which these three funding mechanisms contribute to the future authorized project. This topic will continue to be an important subject for continued discussion within the study team and with the GLC.

Peer Review – Corps is considering an independent panel of experts be identified to perform a final review of the Feasibility Report.

Gary Clark – What are the ongoing issues regarding the economic modeling effort?

Denny Lundberg: The Corps has continued development of the spatial equilibrium model, funded as a research and development effort. Best-case scenario is it will require from 3-5 years before it would make it through all the rigorous testing and validation and be ready for prime time utilization. The model we are using is the established TOWCOST model, that does not address spatial equilibrium.

Terry Moe: Does the Corps still see cost sharing as a major issue for ecosystem restoration aspects of the future plan? The state budget situation is dire and unlikely to get better any time soon within the current economic climate.

Steve Cobb: Yes. Cost sharing will likely be part of any future environmental restoration plan. This is one of the primary reasons we feel it necessary to meet with the state governors to further discuss this issue.

3. Stakeholder Workshops - Whitney

Scott presented a PowerPoint overview of the ongoing stakeholder workshops to develop environmental objectives for the UMRS (**Attachment 2, slides 4-23**). Two of the four meetings had been completed at this point. Attendance had ranged from 30-40 individuals representing a diverse representation of interested stakeholders. An initial Draft Summary Report for each workshop will be delivered to meeting participants before Christmas. A comprehensive report (Draft) will be sent out for stakeholder review in late January.

Holly Stoecker: When can we anticipate seeking a concurrence on these objectives?

Scott Whitney: These meetings are not attempting to compare, contrast, or even prioritize the various objectives for the UMRS. This activity was primarily designed to review existing spatially explicit objectives identified in various recent collaborative planning activities, such as the HNA, Pool Plans, Status and Trends Report,ect. If mutually exclusive objectives are identified they are recorded. **The meeting participants will have an opportunity to review and comment on the final compilation of objectives derived from their respective workshops. Finally, the stakeholders will review and comment on the comprehensive summary report coming out of these workshops.** It is our hope that this Final document will carry with it the endorsement of the regions diverse stakeholders.

4. Status of other Environmental Component Activities - Whitney

Scott presented a series of slides summarizing the first two collection periods investigating the extent of adult fish entrainment by towboat traffic (**Attachment 2, slides 24-30**). A specially designed Kevlar net is pulled by a commercial towboat pushing three empty grain barge containers. Two one-week sample periods were conducted in mid September and early November. A total of 105 ten minute trawls have been performed, collecting a total of 4,540 fish representing 10 species that have apparently passed through the towboat propellers. Only 3 of these fish exhibited mortal wounds indicative of propeller mortality.

Terry Moe: Why is this work only being conducted in the Pool 26 and lower IWW?

Scott Whitney: This is a new and innovative sampling technique that we are applying. For comparative purposes we are conducting this sampling in the same areas sampled by Gutreuter, et al. with the smaller main channel trawler. The main intent is to ascertain the probability or magnitude of adult fish entrainment by towboats.

5. Status Report on Economic Modeling – Manguno

Rich provided a Powerpoint presentation covering three main topics relevant to the ongoing efforts of the Economics Workgroup (**Attachment 2, slides 31-43**). Those three topics included: (1) Independent Technical Review (ITR) of the Sparks Scenario Report; (2) Demand Management Evaluation; and (3) Transportation Rate Analysis.

Holly Stoecker: How is the ITR being conducted for the Environmental documents?

Scott Whitney: With the exception of data reports, every environmental study report has undergone an ITR in conjunction with a NECC review. Over 40 Environmental (Green Reports) have been published for this study effort. The report documenting the goals and objectives for the UMRs will follow a similar path, except we intend on utilizing the Expert Panel to serve as the ITR team.

Tom Leavey: It is apparent that South American competition for ag commodities is being considered, why is this not also true for the non-ag commodities?

Rich Manguno: Most of the non ag is internal movements and not attributable to world trade and subsequently not on the same level of impact

Terry Moe: What are the major factors that could affect transportation rates?

Rich Manguno: [The question and response dealt with the rate sample update.] Trucks are being used to a larger extent to transport the grain to the terminals or railheads. Rail now finds itself being more interested in larger movements. This shift may impact the rate differential between transportation modes.

Dick Lambert: Is grain still considered elastic in the consideration of rates?

Rich Manguno: Due to the current use of the TOWCOST models, issues of elasticity are not in the current evaluation of formulation of economic alternatives.

Tom Leavey: Could you please define and describe tradable permits and related scheduling alternatives? How are the rates developed for such alternatives?

Rich Manguno: This is a concept at this point and the details need to be worked out, this would require shippers to trade timeslot permits to ensure the more efficient transport of their commodities. It could delay the time for infrastructure improvements by making more efficient use of the existing system.

6. GLC Comments and Discussion – Cobb

Terry Moe: WE are still very interested in the mechanics of environmental restoration funding.

Would like to discuss the Corps collaborative approach that is happening with the environmental workshops, we are encouraged but not sure how far up the chain this collaboration extends. We have heard considerable rumblings from resource managers and public who are unhappy that EMP funding is so low. They are asking, “*why are we spending all this time on planning*”. Will there be legitimate recommendations for implementation in the end when current events suggest that this element is not high on the Corps testimony when seeking annual appropriations. We don't get the sense that this issue is really being pushed as hard as it should be by the Corps.

Steve Cobb: Recommended we defer the EMP funding issue until the EMPCC meeting tomorrow, since it is already an agenda and not directly relevant to the GLC discussion on the Feasibility

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Study. It is unfortunate that EMP is likely to suffer financially in FY03, however, we can assure you it is not the result of a lack of effort on the Corps part. The national economy and world events have a far greater influence on Congressional appropriations.

Terry Moe: We seek a balanced package, the credibility of the Corps is being affected by the EMP situation and is likely to carry over to the Nav Study. We would like to see evidence of the Corps testimony and support of EMP funding.

Mike Wells: We are very interested to see the Feasibility Report recommendation going forward as a package to ensure we will not get one without the other, the funding will be linked

Steve Cobb: that is our intent in developing integrated alternatives, ecosystem restoration is an integral part of this study.

Gary Clark: Earlier, Denny Lundberg referred to increased contact with the various committees. What alternatives are being proposed.....more meetings?

Denny Lundberg: as we enter the final stages of alternative formulation and evaluation, there will be an increased need for awareness of the information being used to formulate and evaluate. The quarterly meetings will not suffice, due to the amount of information and study schedule. I am recommending we may want to consider conducting monthly conference calls to ensure we can maintain the desired level of information flow and input.

Steve Cobb: What interim products will be available and when?

Denny Lundberg: **We will provide a detailed description of the interim products, milestones, and latest schedule prior to the next GLC meeting in February.**

Terry Moe: this will help understand the need and urgency of having more information exchanges

John Hey: We need advance warning at least two months in advance for face to face meetings.

Steve Cobb: Would also like to develop a strategy to work toward a meeting with the governors next spring, is this something the GLC members feel will be beneficial?

Terry Moe: Trying to arrange meetings with each state to add to the official representatives would be more productive if you focused on the current representatives' immediate supervisors, it is my perspective that it is unlikely that this study would register high enough to warrant the governors' personal attention.

Gary Clark: The governors are much more consumed with issues relating to welfare, education, budget,.... ect. The first question the governor would ask is, "*What is in it for Illinois in the next four years?*". If the answer is not readily apparent, they are likely to dismiss it for the next administration.

Terry Moe: If a letter from BG Riley was to go to the governors pointing out the regional benefits in these financially challenging times, you may catch their interest.

Gary Clark: A long range schedule of improvements and expected benefits may not attract their attention. They must be convinced that their support (Gov.) is needed for the authorization in order to get to the long range goals.

Steve Cobb: If we have no sponsor for one element of the recommended plan, as indicated by some of the GLC members, then we are likely heading for a divisive crossroads. We need to get these issues out and discussed to get ahead of some of these problems.

Gary Clark: The Governors need to know specifically when and where to lend their support.

Steve Cobb: we need to lay out some of these key points to serve as a foundation to build towards a meeting with the governors. Collective seems unlikely

Terry Moe: how the recommendations are aligning between economics and environmental the state reps will weigh in on recommend to the governor on how the state should respond

John Hey: The governor is not going to sit down unless you are looking for them to make a decision they won't sit down to discuss policy

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Steve Cobb: The main intent of the meeting would be to point out the primary issues and get a high level discussion and commitment as we move into the final stages of this project.

Gary Clark: With the major problems with state budgets and new administrations I suggest we not push this meeting issue right now.

Terry Moe: Maybe there are some of these policy questions that can be directed to the states representative in Washington. Each state has a contingency that keeps their eyes on national events and activities to relate back to the governors.

Gary Loss: I hear you referring to a get together we held previously with additional state personnel, could you please clarify?

Terry Moe: I was suggesting this as an alternative to meeting with the governors.

Gary Loss: Would local representatives be present for such a get together??

Terry Moe: Clarification, I was referring to the Washington level state reps.

John Hey: I think the best approach is for these issues to float up from the GLC members.

Dick Lambert: I hear you saying you are looking for cost sharing for environmental restoration.

Steve Cobb: Existing federal law and policy require a 65-35, without this feature we have a plan without a sponsor and ultimately we don't have a plan

Mike Wells: Mitigation for this study is a separate issue? What about mitigation for ecosystem effects resulting from the creation of the UMR-IWW Navigation System?

Denny Lundberg: This discussion leads us back to the three basket theory, referenced earlier in this meeting. The formal assignment of funding for the various aspects of any potential authorized project is unlikely to materialize until we create our listing of final alternatives. However, that should not prevent us from discussing this matter to alleviate some of the contention now. Due to the complexity and geographical scale of UMR-IWW issues, it is likely that the final alternative will require considerable investment from all three "baskets".

Dick Lambert: The Missouri River mitigation plan is fully federal are we treating the two rivers separately?

Steve Cobb: We are steering this effort away from a detailed accounting of past O&M effects since the whole process of assigning blame and proportionality will only lead us to more divisiveness and stalemate. The fact remains that no one agency or entity is singularly responsible for the current state of the UMRS, however, we can choose to put the past behind us and collectively seek solutions to our current and future conditions without affixing blame.

Terry Moe: For the past several months we have discussed creation of a new authority and regulations, why couldn't we just seek a change in the rules for existing authorities?

Steve Cobb: I don't see the Corps asking Congress to make this change to the law since it will ultimately affect all cost sharing for ecosystem restoration efforts. The Everglades actually requested and were authorized under a 50/50 cost share instead of the Corps traditional 65/35.

Mike Wells: We need some realistic numbers, the numbers we have seen to date are all over the board, some unreasonable. It is scary to consider coming up with 35% of a multibillion dollar effort, we realize the numbers will not be concrete but need to be in order to provide or convey the overall magnitude of this problem. We need a firmer plan of attack to ascertain the strategy or approach to resolve.

7. Public Comments

Dan McGuinness: I would like to share our (NGO) view of the collaborative process through an Audubon lens, we have been at the table through many activities, we want to collaborate but without compromising our values, we may appear critical of events or actions that we do not see in tune with our values. However, disparate ideas and values do not necessarily have to lead to confrontation and stalemate, they can ultimately lead to a more balanced and overall more

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successful course of action. The recent MARC 2000 meeting was a great example. Another comment we have heard recently is that there is less willingness to collaborate as one moves towards our national office. As you work from the local level to the national level there appears to be a split as we approach the Washington level, introducing another level of agendas and politics. We will continue working to speak with one voice. Dan read from and distributed an article from the recent Audubon monthly newsletter. Ultimately, we are all striving for a win/win condition and a sincere move is afoot on both fronts to ensure a broad based constituency level of support. Dan ended with a final statement/question over the preceding GLC discussion for the participants to ponder “*Since when did the states stop considering the UMRS as their river and other voices claiming the federal government created the problem and should ultimately pay for it*”.

8. Adjourn 3:52

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ATTACHMENT 1

Attendance List

GLC Meeting (November 19, 2002)
Sheraton West Port Hotel Lakeside Chalet, St. Louis, MO

Name	Affiliation	Address	Phone	E-mail
Dick Lambert	Minnesota	925 Kelley Annex, St. Paul, MN 55155	(651) 296-1609	dick.lambert@dot.state.mn.us
Michael Wells	Missouri	PO Box 176, Jefferson City, MO 65102	(573) 751-1134	nrwellm@mail.dnr.state.mo.us
Terry Moe	Wisconsin	3550 Mormon Coulee Road La Crosse, WI 54601	(608) 785-9004	Terry.Moe@dnr.state.wi.us
Gary Clark	Illinois	One Natural Resources Way, Springfield, IL 62702-1270	(217) 785-3334	gclark@dnrmail.state.il.us
John Hey	Iowa	800 Lincoln Way, Ames, IA 50010	(515) 239-1454	john.hey@dot.state.ia.us
BG Donald T. Riley	CEMVD-DE	P.O. Box 80, Vicksburg, MS 39191-0080	(601) 634-5750	Don.T.Riley@usace.army.mil
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Denny Lundberg	CEMVR-PM	P.O. Box 2004, Clock Tower Bldg. Rock Island, IL 61204-2004	(309) 794-5308	Denny.A.Lundberg@usace.army.mil
Scott Whitney	CEMVR-PM-M	P.O. Box 2004, Clock Tower Bldg. Rock Island, IL 61204-2004	(309) 794-5386	Scott.D.Whitney@usace.army.mil
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Gary Loss	CEMVR-DP	P.O. Box 2004, Clock Tower Bldg Rock Island, IL 61204-2004..	(309) 794-5249	Gary.L.Loss@usace.army.mil
Col. William Bayles	CEMVR-DE	P.O. Box 2004, Clock Tower Bldg Rock Island, IL 61204-2004.	(309) 794-5260	William.J.Bayles@usace.army.mil
Rich Worthington	CECW-PD	441 G Street, N.W. Washington, DC 20314-1000	(540) 665-3939	Richard.T.Worthington@usace.army.mil
Greg Ruff	CEMVD-PM-E	P.O. Box 80, Vicksburg, MS 39191-0080	(601) 634-5928	Greg.Ruff@usace.army.mil
Mark Cornish	CEMVR-PM-A	P.O. Box 2004, Clock Tower Bldg Rock Island, IL 61204-2004.	(309) 794-5385	Mark.A.Cornish@usace.army.mil
Jerry Skalak	CEMVR-PM-M	P.O. Box 2004, Clock Tower Bldg. Rock Island, IL 61204-2004	(309) 794-5605	Jerry.A.Skalak@usace.army.mil
Holly Stoecker	UMRBA	415 Hamm Bldg 408 St Peter St, St. Paul, MN 55102	(651) 223-5815	hstoecker@umrba.org
Barb Naramore	UMRBA	415 Hamm Bldg 408 St Peter St, St. Paul, MN 55102	(651) 223-5815	bnaramore@umrba.org
Dan McGuinness	Audubon	26 E Exchange St Ste 215, St. Paul, MN 55101	(651) 290-1695	dmcguinness@audubon.org
Deb Foley	CEMVS-PM-M	1222 Spruce Street, St. Louis, MO 63103-2833	(314) 331-8463	Deborah.A.Foley@usace.army.mil

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Attendance List (continued)

GLC Meeting (November 19, 2002)

Sheraton West Port Hotel Lakeside Chalet, St. Louis, MO

Name	Affiliation	Address	Phone	E-mail
Steve Johnson	MNDNR	500 Lafayette Rd Box 32, St. Paul, MN 55155-4032	(651) 296-4802	steve.johnson@dnr.state.mn.us
Gary Christoff	MODOC	2901 W Truman Blvd Po Box 180, Jefferson City, MO 65102	(573) 751-4115	chrisg@mail.conservation.state.mo.us
Tom Leavey	USCG Aux.		(612) 331-9295	
Shirley Johnson	CEMVR-ED-HH	P.O. Box 2004, Clock Tower Bldg Rock Island, IL 61204-2004.	(309) 794-5276	Shirley.J.Johnson@usace.army.mil

Attachment 2

Combined Presentation of Nav. Study Topics

GLC Meeting
November 19, 2002

Presented by

Denny Lundberg, Scott Whitney, and Rich Manguno

US Army Corps of Engineers

Feasibility Study Schedule

•Alternative Evaluation	Nov 02-Sep 03
•Tentative Integrated Plans w/BCR's	Oct 03
•Public Meetings	Oct 03
•Alternative Formulation Briefing	Nov 03
•Draft Feasibility Report	Apr 04
•90 day Public Review	Apr-Jun 04
•Public Meetings	May 04
•Final Feasibility Report w/EIS	Aug 04
•Chiefs Report	Nov 04

1

Major Milestones

•Cost and Performance Data	Nov 02
•Completion of W/O Project Traffic	Nov 02
•Env. Sustainability Workshops	Nov 02
•Establish Env. Sustainability G & O	Feb 03
•Completion of W/Project Traffic & Initial B/C	Apr 03
•Environmental Traffic Effects	Jun 03
•Determination of Mgmt. Actions	Jun 03
•Mitigation Plan to Econ Work Group	Aug 03
•Est. Costs of Mgmt. Actions	Aug 03
•Tradeoff Analysis	Sep 03
•Final Economic Analysis w/Mitigation	Sep 03
•Identification of Tentative Plans	Sep 03
•Public Meetings to Present Plans	Oct 03

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Major Issues

- Economic Modeling
- Scenario Probabilities
- Funding and Cost Sharing
- Peer Review

3

UMR-IWW SYSTEM NAVIGATION FEASIBILITY STUDY ENVIRONMENTAL OBJECTIVES PLANNING WORKSHOPS

Presentation for the Governors' Liaison Committee

November 19, 2002

by

Scott D. Whitney
Project Manager
Rock Island District, US Army Corps of Engineers

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Scope: Focus on authorized Federal navigation projects and the ecological and floodplain resources that are affected by these projects.

Original Study

- ▶ Relieve congestion.

Restructured Study

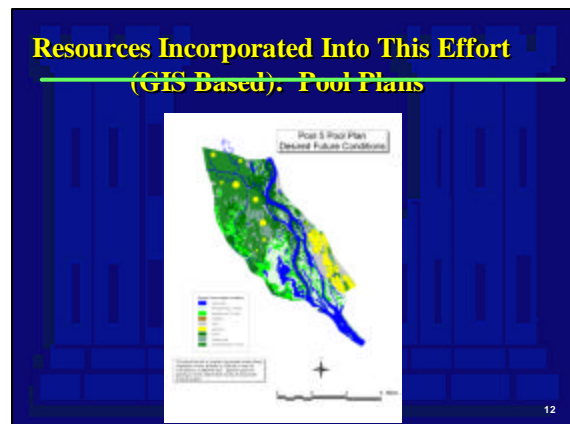
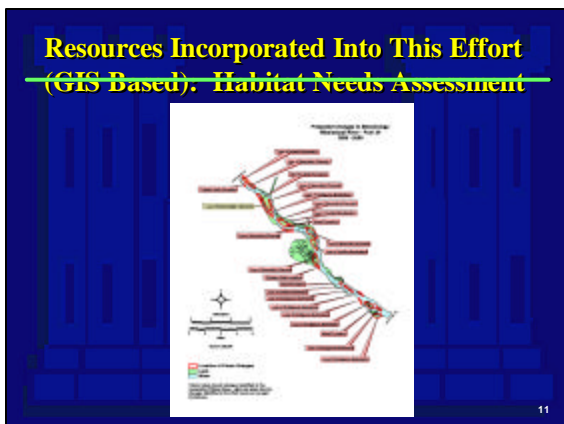
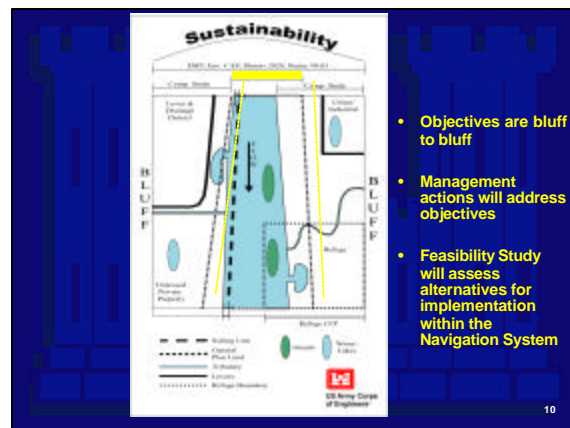
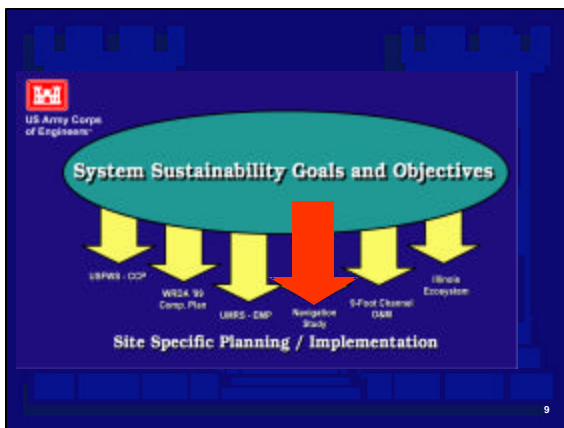
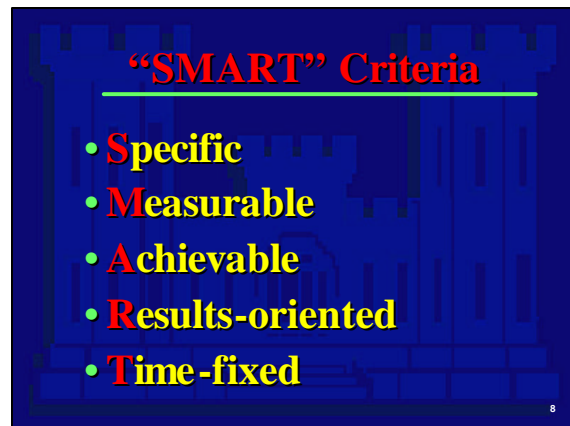
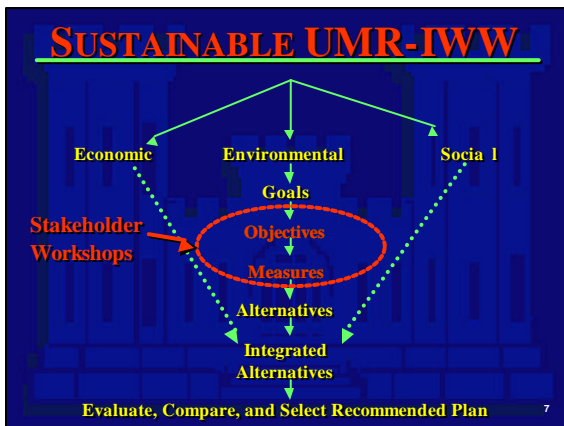
- ▶ Relieve congestion.
- ▶ Achieve environmental sustainable system.
- ▶ Address ecosystem, floodplain mgmt needs related to navigation.

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Vision: "To seek long term sustainability of the economic uses and ecological integrity of the Upper Mississippi River System"

Sustainability – "The balance of economic, ecological and social conditions so as to meet the current, projected and future needs of the UMR System without compromising the ability of future generations to meet their needs."

6



Resources Incorporated Into This Effort (GIS Based): MMR Side Channel Plan



Maple Island (RM 198.5-200.9)

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WORKSHOP PROCESSES

- Stakeholder participation
- Common goal
- Knowledge in experts' heads
- Product owned by participants
- Results considered advisory

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BASIC AGENDA

- Introduction
- Working Groups & Plenary
- ✓ Species & Pop. Parameter
- ✓ Objective setting
- ✓ Management Actions
- ✓ Evaluation and data tools
- Review of Conceptual Models
- Workshop Closing

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ENVIRONMENTAL OBJECTIVES

- Water Clarity
- Backwater Depth
- Water Level
- Connectivity
- Aquatic Areas
- Terrestrial Areas
- Land Cover / Use
- Plants
- Fish
- Birds
- Other

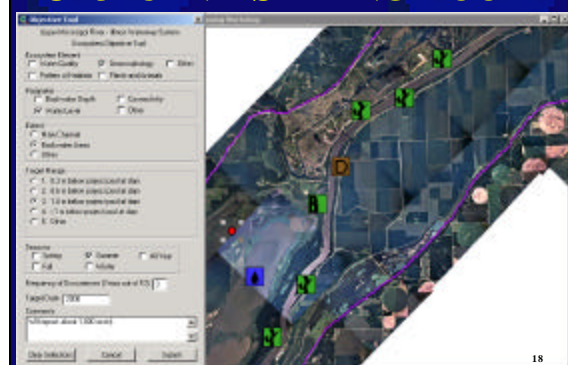
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OBJECTIVE SETTING TOOL



17

OBJECTIVE SETTING TOOL



18

MANAGEMENT ACTIONS

Purpose: To review and identify management actions that are most likely to contribute towards achieving the established goals and objectives.

Definition: Regulatory, operational or structural tools or activities that can be implemented to positively address the environmental objectives (e.g. hydraulically dredge a backwater area).

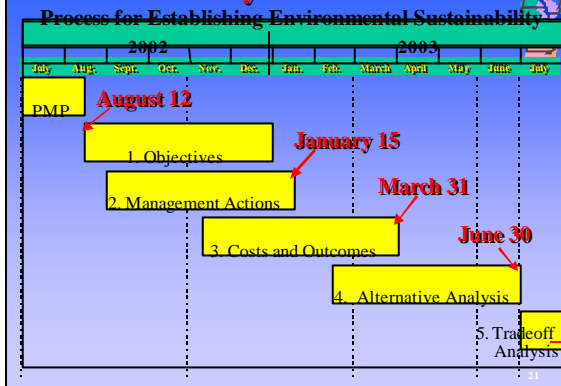
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ATTENDANCE AND REPRESENTATION

- **Peoria: (30)** – USFWS (3); USACE (10); ILDNR (8); INHS (1); ISWS (1); IDWR (1); MARC 2000 (1); MRBA (1); LTRMP (2); UMIMRA (1); USDOT (1).
- **St. Louis: (40)** – USFWS (4); USACE (11); ILDNR (6); INHS (1); ISWS (1); IDWR (1); MDOC (5); MODNR (1); MARC 2000 (5); MRBA (1); LTRMP (2); UMIMRA (1); UMRCC (1); Sierra Club (1); Audubon (1); MO Coalition for the Env. (1); USDOT (1); SIU (1).
- **LaCrosse: (38)** – USFWS (5); USACE (11); WIDNR (5); MNDNR (2); MODNR (1); Env. Defense (1); Sierra Club (1); Audubon (1); TNC (1); IWL (1); MARC 2000 (4); LTRMP (1); UMESC (3); Mississippi River Revival (1).
- **Moline: (31)** – USFWS (4); USACE (8); USEPA (1); ILDNR (5); IADNR (3); MODNR (1); MODOC (1); Sierra Club (1); MRBA (1); UMRCC (1); Univ. of Miami (1); Audubon (1); IA Farm Bureau (1); UMIMRA (1); Quincy Park District (1).

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Study Schedule

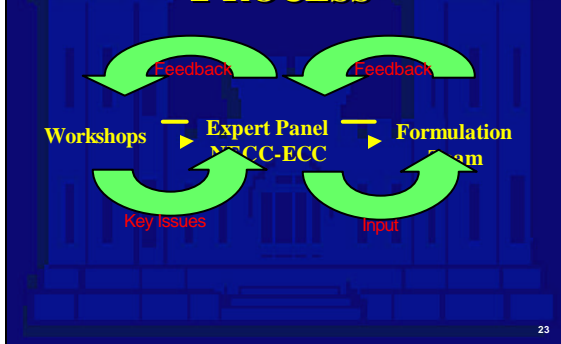


KEY TERMS

- **Objective Standardization** – Collecting and organizing objectives in a uniform and hierarchically structured system – wide database.
- **Management Actions** – Regulatory, operational or structural tools or activities that can be implemented to positively address the environmental objectives (e.g. hydraulically dredged backwater area).
- **Sustainable Alternative Plans** – Combinations of management measures or actions that balance economic, ecological, and social conditions so as to meet the current, projected, and future needs of the UMR-IWW without compromising the ability of future generations to meet their needs.
- **Adaptive Management** – A process that seeks to aggressively use management intervention and assessment as tools to strategically manipulate and understand the functioning of an ecosystem to better manage it.

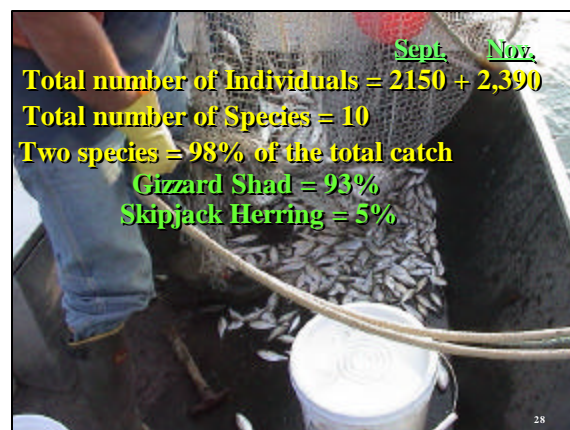
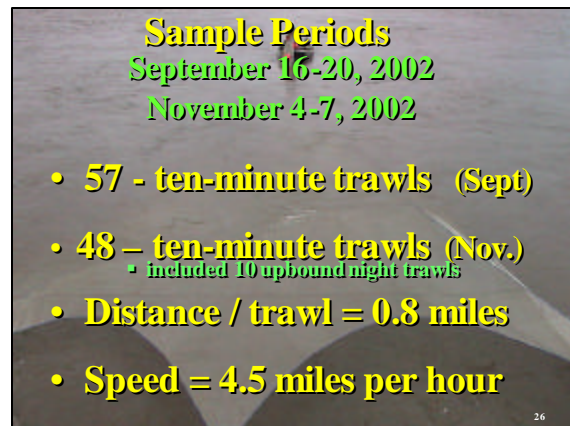
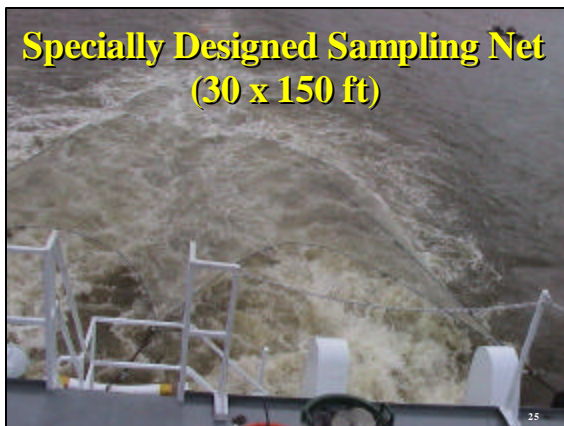
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PROCESS



Towboat: Cooperative Venture





Activities Update

Economics Workgroup

- Independent Technical Review (ITR) – Sparks Scenarios
- Demand Management Evaluation
- Transportation Rate Analysis Update

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Sparks Scenarios

Scenario Drivers-Trends , Policies , Conditions , and Events that impact the U.S. agricultural production, utilization and export prospects.

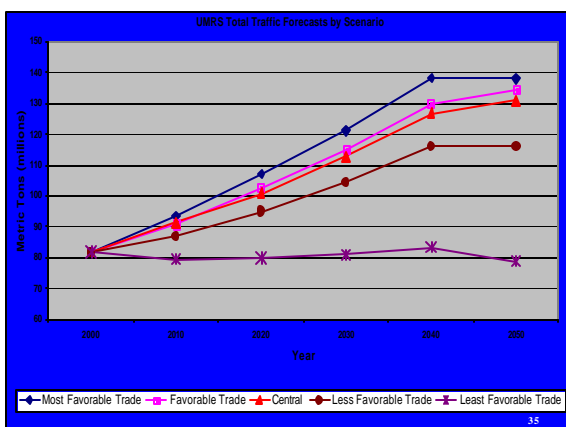
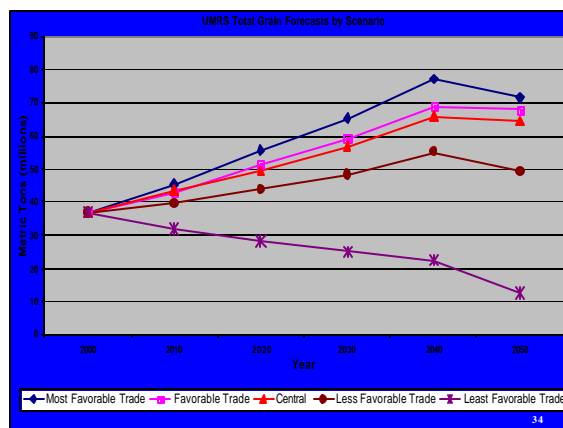
- World Trade Drivers
- Crop Area Drivers
- Crop Yield Drivers
- Consumption Drivers

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Changes from Central Scenario

Driver	Least Fav	Less Fav	Favorable	Most Fav
WFO				
GMO		X		X
China	X		X	X
India				
US Competitiveness	X			
US Supply Control	X			
Conservation		X		
Hypoxia		X		
Yield	X			
Climate Variability				
Ethanol/Bio-Diesel	X			
Population	X			X
Per-Cap Consumpt				X

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Reviewers

- Harold Hommes, Iowa Dept. of Agriculture
- Dr. Darryl Ray, University of Tennessee
- Dr. John Urbanchuck, LECG

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Initial Comments

- Central Trade Scenario US grain exports seem optimistic given historical data.
- Forecast methodology shortcomings:
 - Exports = Production – Domestic Consumption
 - Country-by-country estimates of supply and demand bias trade estimates upwards.
- Rate of growth in foreign acres planted should be a driver.

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Initial Comments

- Relative constancy of world stocks as percent of world utilization is reasonable assumption.
- Biological demand is not the same as effective demand; need to consider ability-to-pay.
- Agree that surge exports are precluded by current policy.

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Initial Comments

- Need more detail on description of approach used to estimate area and yield, but seems reasonable in general.
- Explain rationale for lower yields resulting from non-acceptance of GMO.
- Least Favorable Trade Scenario should consider more export competition from Latin America.

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Initial Comments

- Provide additional detail on recent changes in iron & steel and industrial chemicals that influenced forecasts.
- Non-grain forecasts seems reasonable compared to historical data presented.

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Initial Comments

- Limited value to assigning probabilities to these specific scenarios; sum of probabilities across scenarios would be considerably less than 1.
- Central Trade Scenario more appropriately represents a "favorable scenario."
- Central Trade Scenario is most plausible of scenarios presented.

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Demand Management Evaluation

- Potential Management Measures:
 - Scheduling
 - Tradable Lockage Permits
 - Others
- Volpe Transportation Center, US Dept of Transportation will conduct the analysis.

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Transportation Rate Analysis

- Existing analysis reflects 1994 conditions and prices for 1,300 movements.
- Update will evaluate a limited sample of original grain movements.
- Comparison of the update results and original results will determine need for additional actions.

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